Sample Form for Calculating an Estimated Implementation Cost of an Engineered Sharps Injury Prevention (ESIP) Device

Device Type: _____

Step 1. Calculate the projected cost savings resulting from a reduction in injuries.		
Line 1. Number of injuries in the previous year associated with the conventional device	_____ _	
Line 2. Projected annual number of injuries that will be avoided with the ESIP device	_____ _	
a. Estimated percent (%) reduction in injuries with the ESIP	_____%	
b. Multiply by the number in line 1 above to arrive at the projected number of avoided injuries	_____ _	
Line 3. Average cost of a needlestick injury	$_____ _	
Line 4. Projected cost savings in injuries avoided using the ESIP (line 2b x line 3)	☐	$_____ _
Step 2. Estimate the projected costs associated with implementing the ESIP.		
Line 5. Unit cost of the conventional device	$_____ _	
Line 6. Unit cost of the ESIP to which it is being compared	$_____ _	
Line 7. Cost difference (line 6 – line 5)	$_____ _	
Line 8. Projected annual purchase volume of the ESIP device	$_____ _	
Line 9. Projected annual increase or decrease in cost associated with purchasing the ESIP (line 7 x line 8)	$_____ _	
Line 10. Indirect costs of implementation (if calculated)*		
Line 11. Total implementation cost (line 9 + line 10 [if calculated])	☐	$_____ _
Step 3. Calculate the net implementation cost of the ESIP.		
Line 12. Net implementation costs (line 11 – line 4)	☐	$_____ _

Inventory changeover, healthcare worker training, and device evaluation